

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-059384

(43)Date of publication of application : 28.02.2003

(51)Int.Cl.

H01H 71/68

(21)Application number : 2001-242241

(71)Applicant : FUJI ELECTRIC CO LTD

(22)Date of filing : 09.08.2001

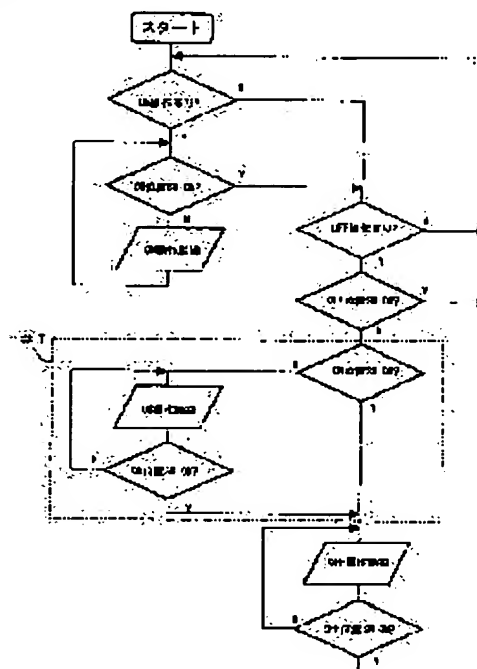
(72)Inventor : WATANABE KATSUMI
YAMASAKI TAKAO
MITSUNAGA SHUJI

(54) REMOTE CONTROL DEVICE FOR CIRCUIT BREAKER

(57)Abstract:

PROBLEM TO BE SOLVED: To surely reset a circuit breaker from a tripped state even when a handle stays between the on position and off position by using a remote control device using an electromagnetic linear actuator as a driver.

SOLUTION: In the remote control device with a two-step control electromagnetic linear actuator combining a moving piece having a permanent magnet with an operating coil for circuit breaker handle operations for on, off and reset, when resetting a circuit breaker from a tripped state with a handle between the on position and off position, the actuator is excited in the on direction to return the moving piece to the on position, and then actuates it from there to the off position to provide sufficient inertia to the moving piece with the magnetic thrust, to thus secure required reset operating force.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office